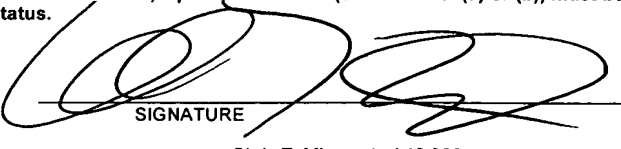


IAP13 Rec'd PCT/PTO 08 JAN 2007

PCT

TRANS-576 INTERNATIONAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER: 10084-0004.00000
INTERNATIONAL APPLICATION NO. PCT/JP 2004/013124		U.S. APPLICATION NO. if known, see 37 CFR 1.5( 10/571,511
INTERNATIONAL FILING DATE September 9, 2004		PRIORITY DATE CLAIMED September 11, 2003
TITLE OF INVENTION METHOD AND KIT FOR DETECTING PROLIFERATIVE DISEASES CAUSING SCLEROSIS, PREVENTIVE AND/OR REMEDY FOR PROLIFERATIVE DISEASES CAUSING SCLEROSIS AND METHOD AND KIT FOR IDENTIFYING SUBSTANCE EFFICACIOUS IN PREVENTING AND/OR TREATING PROLIFERATIVE DISEASES CAUSING SCLEROSIS		
APPLICANT(S) FOR DO/EO/US Toshio DOI et al.		
Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C 371. 2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed with the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)). a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> Information Disclosure Statement under 37 CFR 1.97 and 1.98 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A Substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154 (d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4). 20. <input checked="" type="checkbox"/> Other items or information: CERTIFICATE UNDER 37 CFR § 1.10 OF MAILING BY "EXPRESS MAIL" I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated below and is addressed to the Mail Stop Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Date: January 8, 2007 Express Mail Label # EV 955 595 122 US By: Elizabeth Nesbitt a. <input checked="" type="checkbox"/> copy of Notification of Missing Requirements b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/571,511		INTERNATIONAL APPLICATION NO. PCT/JP2004/013124		ATTORNEY'S DOCKET NUMBER 10084-0004.00000 <input type="checkbox"/>	
The following fees have been submitted:				CALCULATIONS	PTO Use Only
21. <input checked="" type="checkbox"/> BASIC NATIONAL FEE (37 CFR 1.492(a)): .....\$300.00				\$ 00.00	
22. <input checked="" type="checkbox"/> Examination fee (37CFR 1.492(c))					
If the Written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....\$0				\$ 00.00	
All other situations.....\$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....\$0				\$ 00.00	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .....\$400					
All other situations.....\$500					
<b>TOTAL of 21, 22 and 23 =</b>				\$ 00.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
103 - 100 =	3 /50=	1	x \$250.00	\$250.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	17 - 20 =	0	x \$50.00	\$	
Independent Claims	17 - 3 =	14	x \$200.00	\$ 00.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 00.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$380.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$ 00.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				\$40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$420.00	
01 F:1681 250.00 DA				Amount to be	\$
02 F:1617 130.00 DA				refunded:	
				charged:	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>06-0916</u> in the amount of \$ <u>\$420.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-0916</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p><b>SEND ALL CORRESPONDENCE TO:</b> Finnegan, Henderson, Farabow, Garrett &amp; Dunner, L.L.P. 901 New York Avenue, N.W. Washington, DC 20001-4413</p> <p style="text-align: center;">         _____        SIGNATURE        Chris T. Mizumoto / 42,899        _____        NAME/REGISTRATION NUMBER     </p> <p>DATED: January 8, 2007</p>					



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/571,511	Toshio Doi	10084-0004.00000

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/JP04/13124

LA. FILING DATE	PRIORITY DATE
09/09/2004	09/11/2003

22852  
 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
 LLP  
 901 NEW YORK AVENUE, NW  
 WASHINGTON, DC 20001-4413

**RECEIVED**

NOV 10 2006

**Finnegan, Henderson, Farabow,  
 Garrett & Dunner, L.L.P.**

Date Mailed: 11/08/2006

CONFIRMATION NO. 8941

371 FORMALITIES LETTER



\*OC000000021164967\*

# NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 03/10/2006
- Copy of the International Search Report filed on 03/10/2006
- Preliminary Amendments filed on 03/10/2006
- Information Disclosure Statements filed on 03/10/2006
- Biochemical Sequence Diskette filed on 03/10/2006
- Biochemical Sequence Listing filed on 03/10/2006
- U.S. Basic National Fees filed on 03/10/2006
- Priority Documents filed on 03/10/2006
- Specification filed on 03/10/2006
- Claims filed on 03/10/2006
- Abstracts filed on 03/10/2006
- Drawings filed on 03/10/2006
- Paper nucleotide sequence listings filed on 03/10/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$380** for a Large Entity:

- **\$130 Surcharge.**
- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).
- The specification and drawings contain more than 100 pages. Applicant owes **\$250** for 3 pages in excess of 100 pages for a non-small entity.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/571,511	PCT/JP04/13124	10084-0004.00000

FORM PCT/DO/EO/905 (371 Formalities Notice)